10/602,341

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NEWS 2   "Ask CAS" for self-help around the clock
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                  resulting in a closer connection to BABS
NEWS 4   Jul 30 BEILSTEIN on STN workshop to be held August 24 in conjunction
                  with the 228th ACS National Meeting
NEWS 5   AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                  fields
NEWS 6   AUG 02 CAplus and CA patent records enhanced with European and Japan
                  Patent Office Classifications
NEWS 7   AUG 02 The Analysis Edition of STN Express with Discover!
                  (Version 7.01 for Windows) now available
NEWS 8   AUG 04 Pricing for the Save Answers for SciFinder Wizard within
                  STN Express with Discover! will change September 1, 2004
NEWS 9   AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 10   AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal
                  status data from INPADOC
NEWS 11   SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 12   SEP 01 New pricing for the Save Answers for SciFinder Wizard within
                  STN Express with Discover!
NEWS 13   SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 14   SEP 14 STN Patent Forum to be held October 13, 2004, in Iselin, NJ
NEWS 15   SEP 27 STANDARDS will no longer be available on STN
NEWS 16   SEP 27 SWETSCAN will no longer be available on STN

NEWS EXPRESS   JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
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  * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

Page 1

FILE 'HOME' ENTERED AT 16:31:50 ON 27 SEP 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 26 SEP 2004   HIGHEST RN 752189-88-1
DICTIONARY FILE UPDATES: 26 SEP 2004   HIGHEST RN 752189-88-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more
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http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\STNEXP4\QUERIES\106023411.str
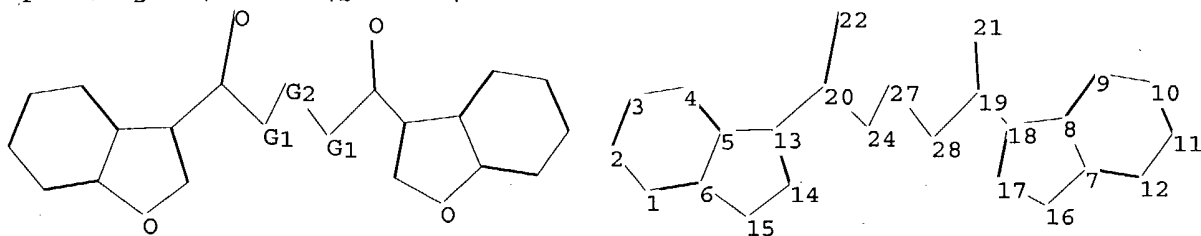
chain nodes :
19 20 21 22 24 27 28
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
13-20 18-19 19-21 19-28 20-22 20-24 24-27 27-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-13 6-15 7-8 7-12 7-16 8-9 8-18 9-10 10-11
11-12 13-14 14-15 16-17 17-18
exact/norm bonds :
19-21 19-28 20-22 20-24 24-27 27-28
exact bonds :
5-13 6-15 7-16 8-18 13-14 13-20 14-15 16-17 17-18 18-19
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 :

G1:O,N

G2:O,Cy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 24:CLASS 27:CLASS 28:CLASS

L1   STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 16:32:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   6 TO ITERATE

100.0% PROCESSED   6 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 6 TO   266
PROJECTED ANSWERS: 0 TO   0

L2   0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 16:32:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   159 TO ITERATE

100.0% PROCESSED   159 ITERATIONS   18 ANSWERS
SEARCH TIME: 00.00.01

L3   18 SEA SSS FUL L1

=> d scan

L3   18 ANSWERS   REGISTRY   COPYRIGHT 2004 ACS on STN
IN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(2-thienyl)-,
     4,6-decadiyne-1,10-diyl ester (9CI)
MF $C_{40} H_{34} O_{10} S_2$

OMe

HO—CH₂

O=C—O—(CH₂)₃—C≡C—C≡C—(CH₂)₃—O—C=O

OMe
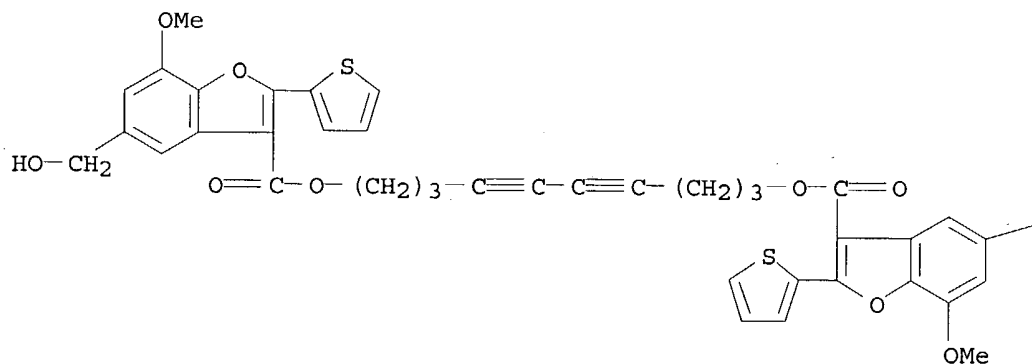
—CH₂—OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):file caplus
'FILE CAPLUS' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to
see. To end the display, enter "NONE", "N", "0", or "END".
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                      ENTRY   SESSION
FULL ESTIMATED COST   155.84   156.05

FILE 'CAPLUS' ENTERED AT 16:32:57 ON 27 SEP 2004
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FILE COVERS 1907 - 27 Sep 2004   VOL 141 ISS 14
FILE LAST UPDATED: 26 Sep 2004   (20040926/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

=> s l3
L4   3 L3

=> d l4 ibib hitstr abs 1-3

L4   ANSWER 1 OF 3   CAPLUS   COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:2819   CAPLUS
DOCUMENT NUMBER: 140:77016
TITLE: Preparation of benzo(b)furan dimers
INVENTOR(S):   Liao, Yun; Fathi, Reza; Yang, Zhen
PATENT ASSIGNEE(S):   Vivoquest, Inc., USA
SOURCE: PCT Int. Appl., 46 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

        PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
        --------------   ----   --------   --------------------   --------
        WO 2004000764   A2   20031231   WO 2003-US19981   20030623
        WO 2004000764   A3   20040708
           W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
               CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
               GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
               LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
               PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR,
               TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG,
               KZ, MD, RU, TJ
           RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
               CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
               NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
               GW, ML, MR, NE, SN, TD, TG
        US 2004110949   A1   20040610   US 2003-602341   20030623
PRIORITY APPLN. INFO.:   US 2002-391100P   P   20020624
OTHER SOURCE(S):   MARPAT 140:77016
IT   **500117-66-8P 500117-67-9P 500117-68-0P**
     500117-69-1P 500117-70-4P 500117-71-5P
     511523-00-5P 639819-28-6P 639819-29-7P
     RL: SPN (Synthetic preparation); PREP (Preparation)
         (preparation of benzofuran dimers)
RN   500117-66-8 CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-phenyl-,
     (5E)-5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)

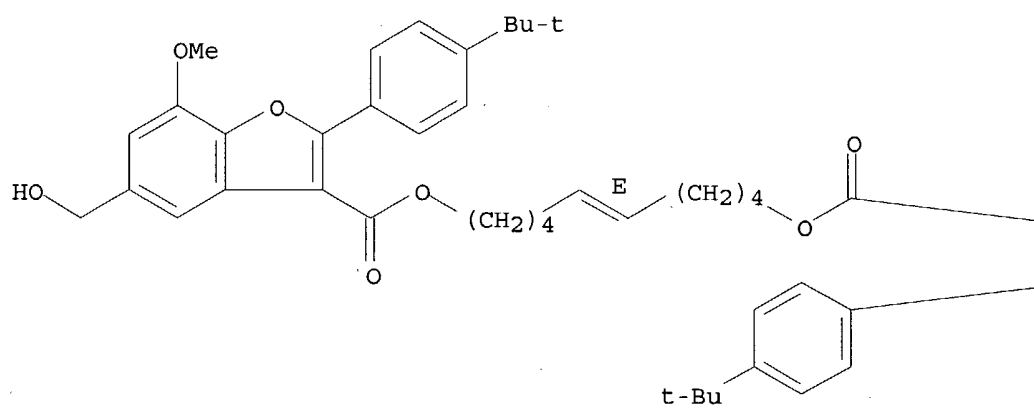Double bond geometry as shown.

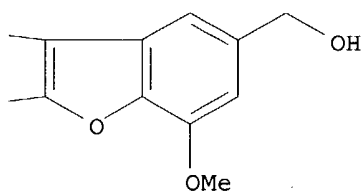PAGE 1-A

PAGE 1-B

RN   500117-67-9   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-[4-(1,1-dimethylethyl)phenyl]-5-
      (hydroxymethyl)-7-methoxy-, (5E)-5-decene-1,10-diyl ester (9CI)   (CA INDEX
      NAME)
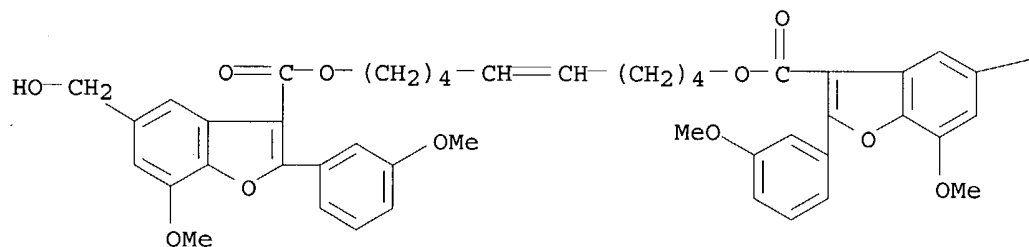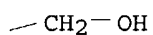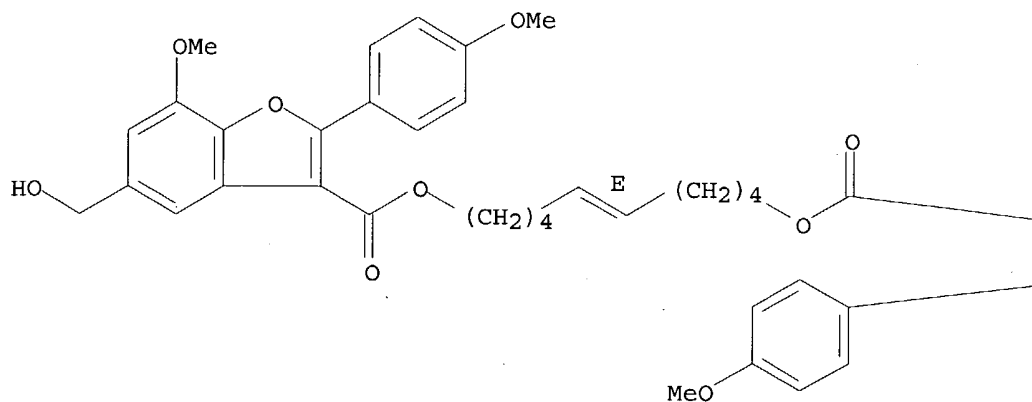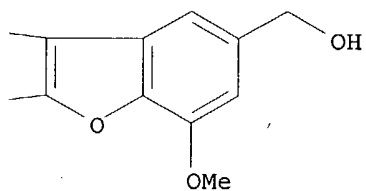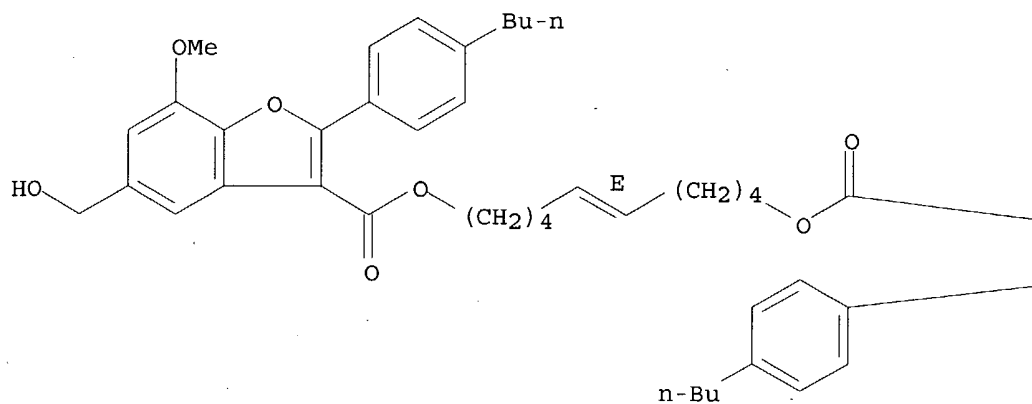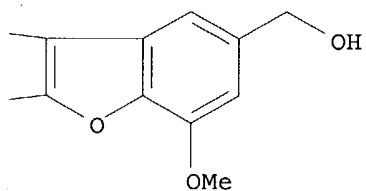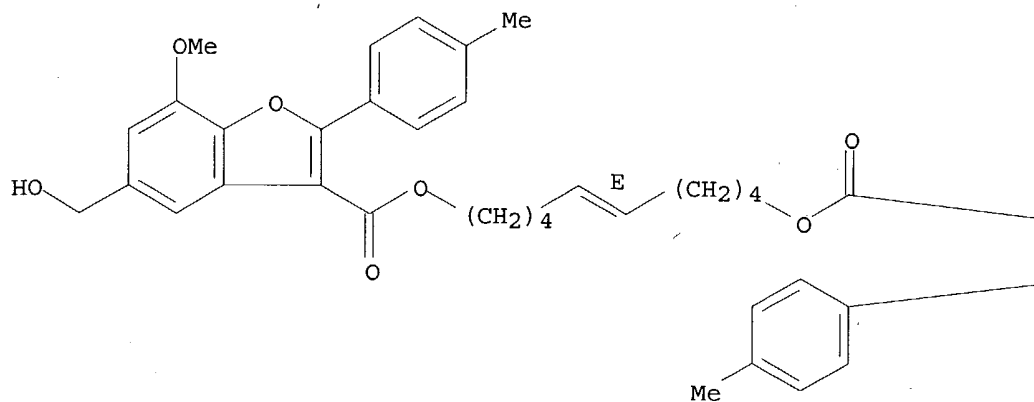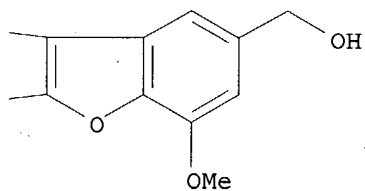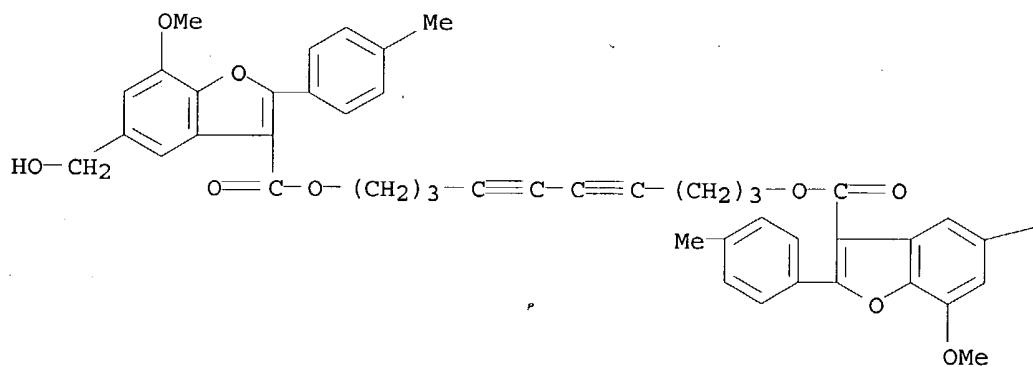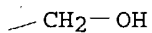
Double bond geometry as shown.

PAGE 1-A

RN   500117-68-0   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(3-
     methoxyphenyl)-, 5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)

$O = C - O - (CH_2)_4 - CH = CH - (CH_2)_4 - O - C$

$- CH_2 - OH$

RN   500117-69-1   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-
     methoxyphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)
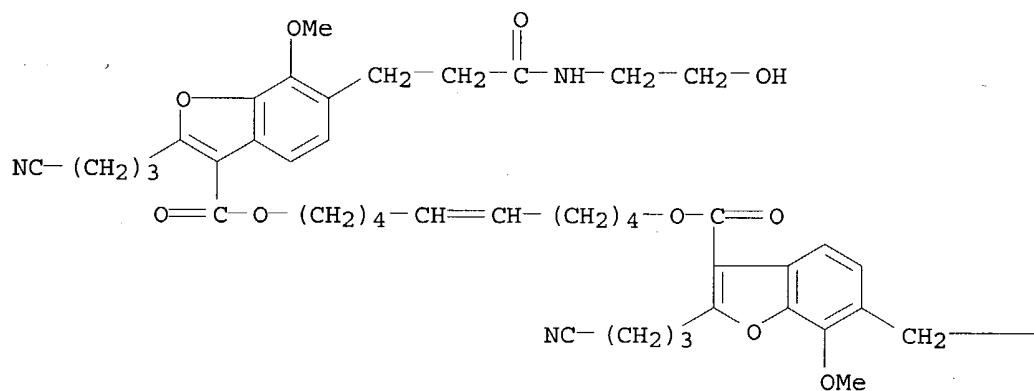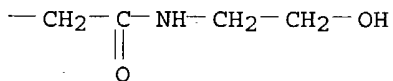
Double bond geometry as shown.

RN   500117-70-4 CAPLUS
CN   3-Benzofurancarboxylic acid, 2-(4-butylphenyl)-5-(hydroxymethyl)-7-methoxy-
      , (5E)-5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)

Double bond geometry as shown.

RN   500117-71-5 CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-
      methylphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN   511523-00-5   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-
      methylphenyl)-, 4,6-decadiyne-1,10-diyl ester (9CI)   (CA INDEX NAME)

$\diagup$CH$_2$—OH

RN   639819-28-6   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-(3-cyanopropyl)-6-[3-[(2-
       hydroxyethyl)amino]-3-oxopropyl]-7-methoxy-, 5-decene-1,10-diyl ester
       (9CI)   (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

—CH$_2$—C—NH—CH$_2$—CH$_2$—OH
        ‖
        O

RN   639819-29-7   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-(3-cyanopropyl)-6-[3-[(5-hydroxy-1,5-
       dimethylhexyl)amino]-3-oxopropyl]-7-methoxy-, (5Z)-5-decene-1,10-diyl
       ester (9CI)   (CA INDEX NAME)
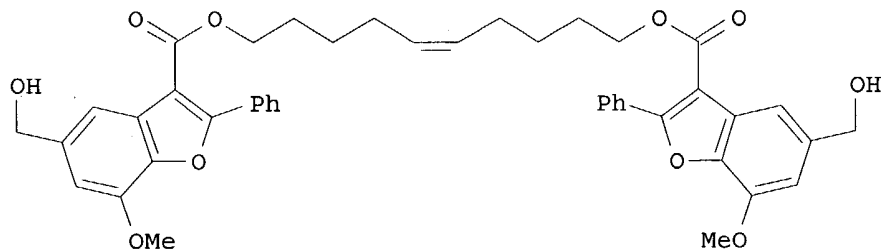
Double bond geometry as shown.
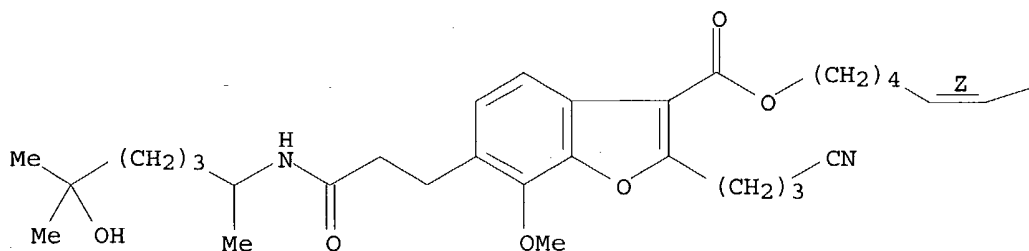
PAGE 1-A

PAGE 1-B
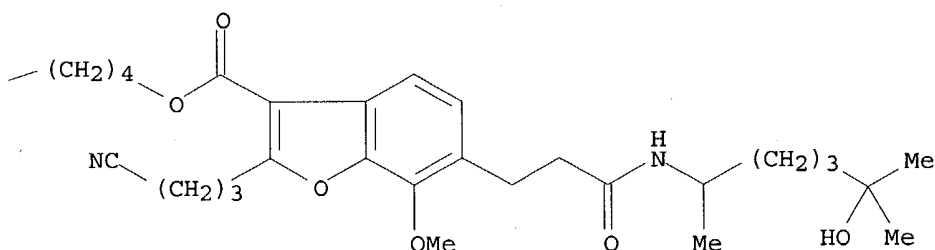
GI
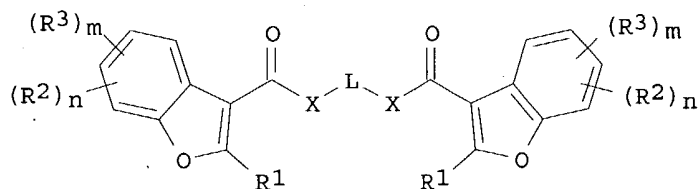
I

II

AB   Title compds. [I; L = (CH2)a, BAB; a = 2-20; b = 1-10; c, d = 1-8; m = 0,
     1; n = 0-4; B = (CH2)b, (CH2)cO(CH2)d, etc.; A = O, CH:CH, C.tplbond.C,
     C.tplbond.CC.tplbond.C, (substituted) phenylene, pyridinylene,
     piperazinylene, etc.; R2 = halo, OH, cyano, NO2, alkyl, alkoxy, alkylthio,
     alkenyl, cycloalkyl, acyl, ester, amide; R3 = (CH2)pYq(CH2)rZs(CH2)tR5; Y,
     Z = O, S, OCH2CH2O, CO, CO2, NR, CHR, CR2, etc.; p, r, t = 0-10; q, s = 0,
     1; R5 = OH, CO2H, NHCO2H, NHCOCH2OH; R = H, alkyl, aralkyl, aryl; X = O,
     NH; with provisos], were prepared Thus, title compound (II) was prepared via

Page 12

homometathesis of the corresponding resin-bound monomers using Grubbs
catalyst.

L4   ANSWER 2 OF 3   CAPLUS   COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:146880   CAPLUS
DOCUMENT NUMBER: 138:321079
TITLE: Aliphatic Acetylenic Homocoupling Catalyzed by a Novel
                        Combination of AgOTs-CuCl2-TMEDA and Its Application
                        for the Solid-Phase Synthesis of Bis-benzo[b]furan-
                        Linked 1,3-Diynes
AUTHOR(S):   Liao, Yun; Fathi, Reza; Yang, Zhen
CORPORATE SOURCE: VivoQuest Inc., New York, NY, 10989, USA
SOURCE: Organic Letters (2003), 5(6), 909-912
                        CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 138:321079
IT   **511522-99-9P 511523-00-5P 511523-01-6P**
    511523-02-7P 511523-03-8P 511523-04-9P
    511523-05-0P 511523-06-1P
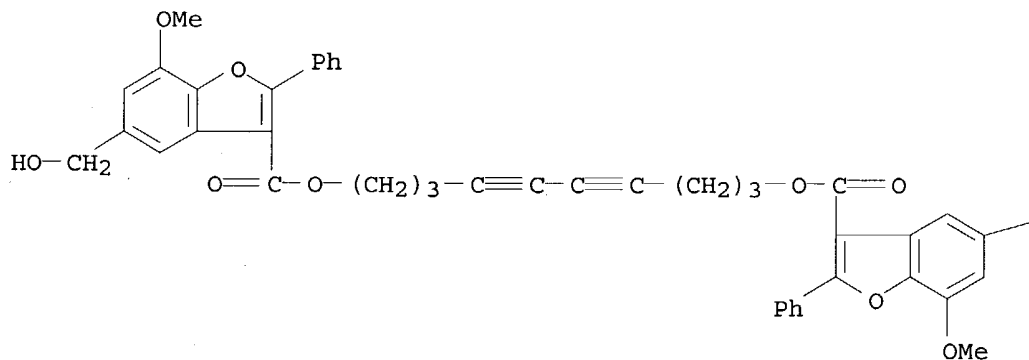   RL: SPN (Synthetic preparation); PREP (Preparation)
        (solid-phase synthesis of alkadiynediol bis(benzofurancarboxylate)s via
        acetylenic homocoupling catalyzed by AgOTs-CuCl2-TMEDA)
RN   511522-99-9   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-phenyl-,
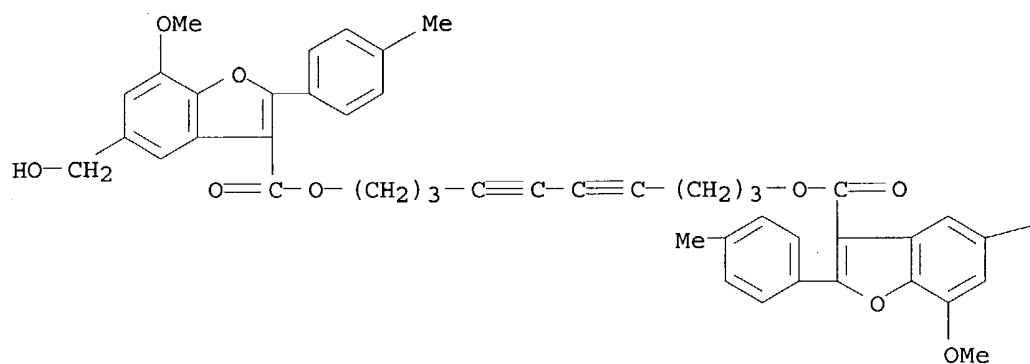   4,6-decadiyne-1,10-diyl ester (9CI)   (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

—CH2—OH

RN   511523-00-5   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-
    methylphenyl)-, 4,6-decadiyne-1,10-diyl ester (9CI)   (CA INDEX NAME)

OMe

Me

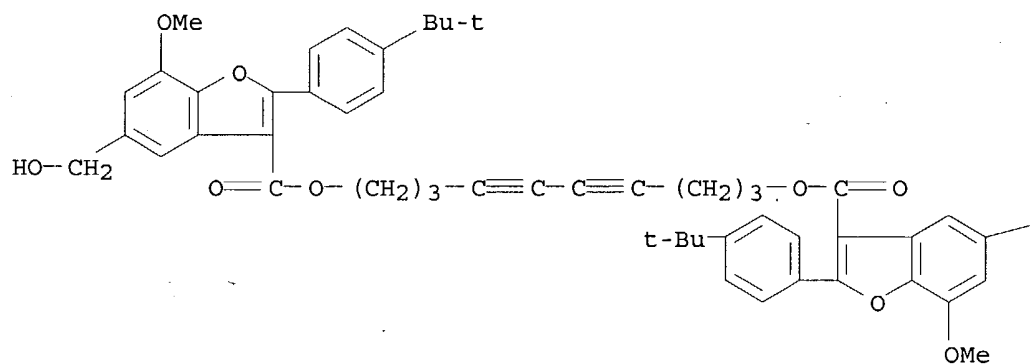HO—CH₂

O=C—O—(CH₂)₃—C≡C—C≡C—(CH₂)₃—O—C=O

Me

OMe

—CH₂—OH

RN   511523-01-6   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-[4-(1,1-dimethylethyl)phenyl]-5-
      (hydroxymethyl)-7-methoxy-, 4,6-decadiyne-1,10-diyl ester (9CI)   (CA INDEX
      NAME)
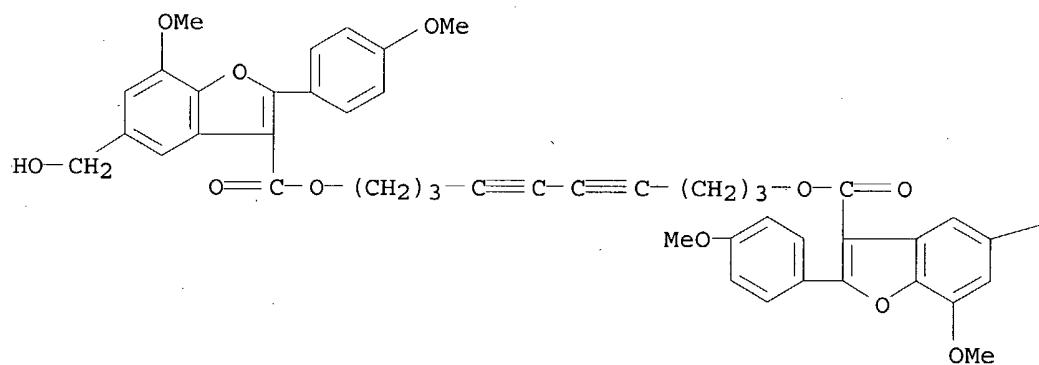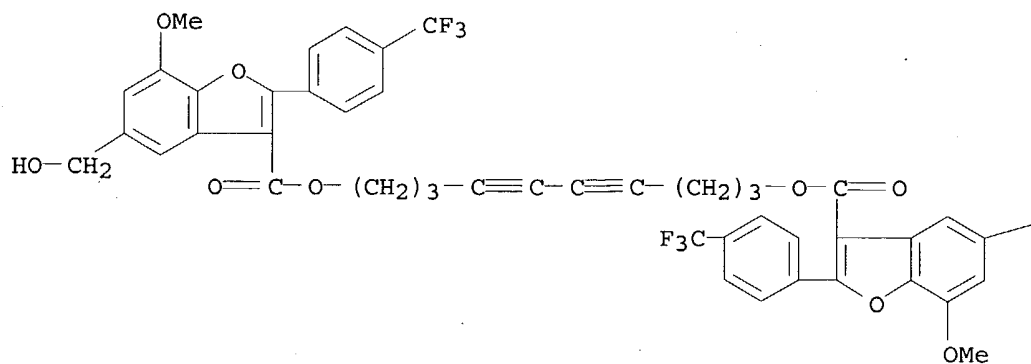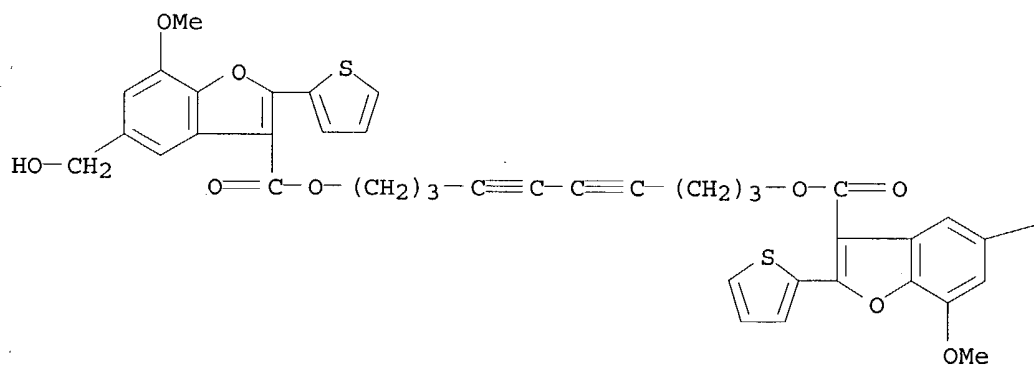
OMe

Bu-t

HO—CH₂

O=C—O—(CH₂)₃—C≡C—C≡C—(CH₂)₃—O—C=O

t-Bu

OMe

CH₂—OH

RN   511523-02-7   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-
     methoxyphenyl)-, 4,6-decadiyne-1,10-diyl ester (9CI)   (CA INDEX NAME)
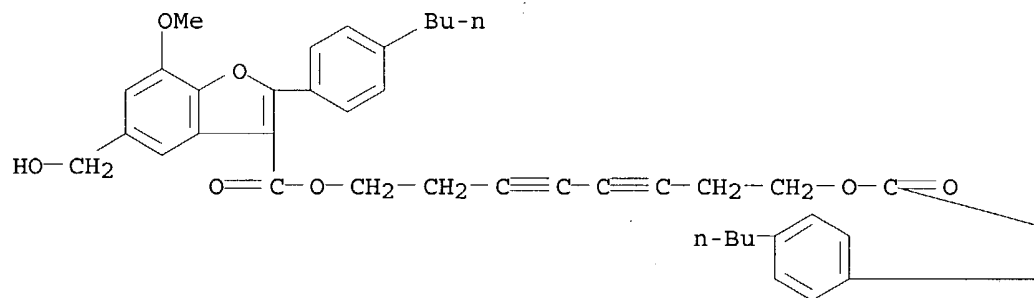
CH₂—OH

RN   511523-03-8   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-[4-
     (trifluoromethyl)phenyl]-, 4,6-decadiyne-1,10-diyl ester (9CI)   (CA INDEX
     NAME)

— CH2—OH

RN   511523-04-9   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(2-thienyl)-,
      4,6-decadiyne-1,10-diyl ester (9CI)   (CA INDEX NAME)
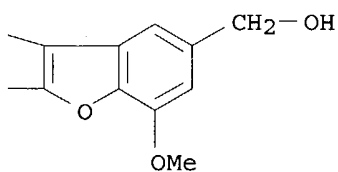
CH₂—OH

RN   511523-05-0   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-(4-butylphenyl)-5-(hydroxymethyl)-7-methoxy-
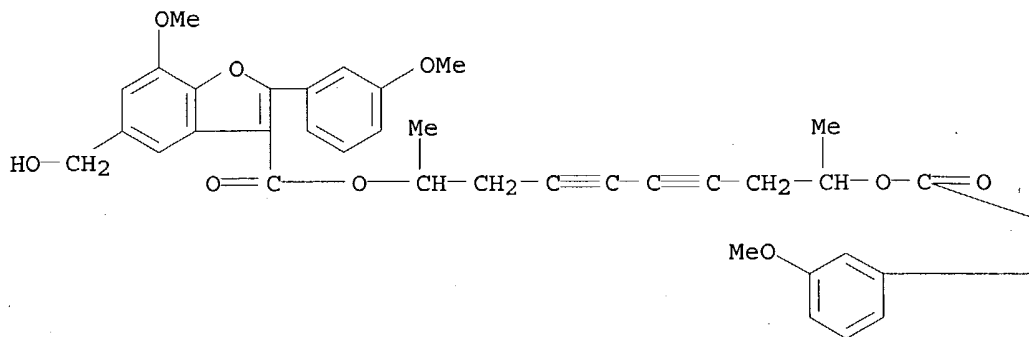   , 3,5-octadiyne-1,8-diyl ester (9CI)   (CA INDEX NAME)
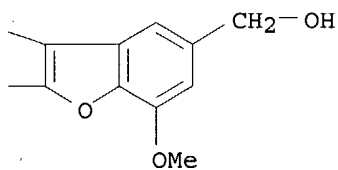
PAGE 1-A

PAGE 1-B

RN   511523-06-1   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(3-
      methoxyphenyl)-, 1,8-dimethyl-3,5-octadiyne-1,8-diyl ester (9CI)   (CA
      INDEX NAME)

AB   A novel catalytic system of AgOTs-CuCl2-TMEDA is developed for the
      homocoupling of aliphatic acetylenes on solid support. It is the first
      observation that Ag(I)-activated triple bond could facilitate
      Cu(II)-mediated oxidative acetylenic homocoupling. This procedure
      provided an efficient way to synthesize a diversified sym.
      1,3-alkadiynediol bis(benzo[b]furancarboxylate) library on solid support.
REFERENCE COUNT: 34   THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4   ANSWER 3 OF 3   CAPLUS   COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:977422   CAPLUS
DOCUMENT NUMBER: 138:204893
TITLE: Convergent Solid-Phase Synthesis of Symmetrical
                          Benzo[b]furan's Dimerizer
AUTHOR(S):   Liao, Yun; Fathi, Reza; Yang, Zhen
CORPORATE SOURCE: VivoQuest Inc., Valley Cottage, NY, 10989, USA
SOURCE: Journal of Combinatorial Chemistry (2003), 5(2), 79-81
                          CODEN: JCCHFF; ISSN: 1520-4766
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OTHER SOURCE(S):   CASREACT 138:204893
IT   500117-66-8P 500117-67-9P 500117-68-0P
      500117-69-1P 500117-70-4P 500117-71-5P

500117-72-6P 500117-73-7P
RL: CPN (Combinatorial preparation); CMBI (Combinatorial study); PREP
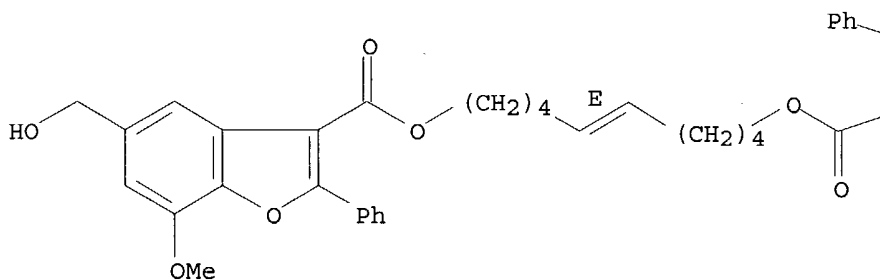(Preparation)
    (combinatorial preparation of a library of sym. dimeric benzofurans via
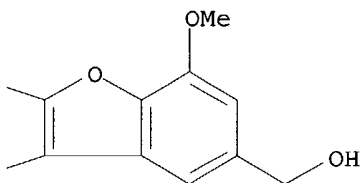   solid phase/split-pool synthesis techniques)
RN   500117-66-8 CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-phenyl-,
    (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX NAME)
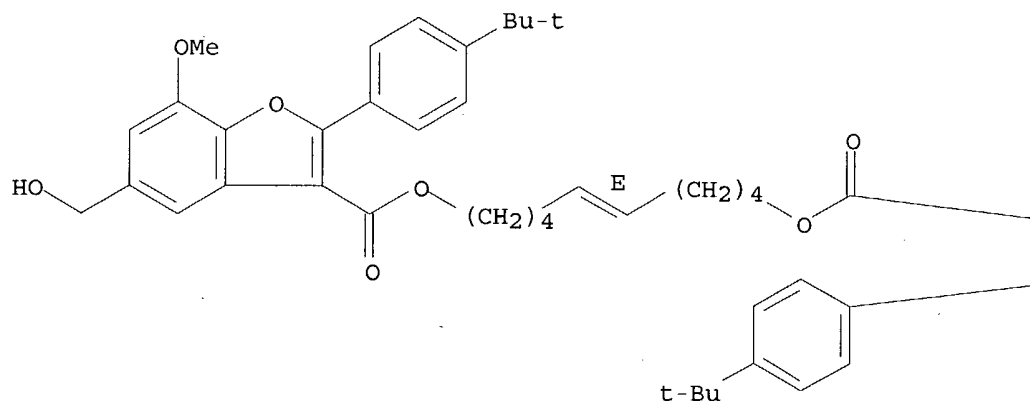
Double bond geometry as shown.

PAGE 1-A

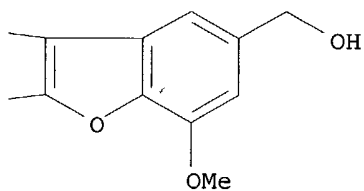PAGE 1-B

RN   500117-67-9 CAPLUS
CN   3-Benzofurancarboxylic acid, 2-[4-(1,1-dimethylethyl)phenyl]-5-
    (hydroxymethyl)-7-methoxy-, (5E)-5-decene-1,10-diyl ester (9CI) (CA INDEX
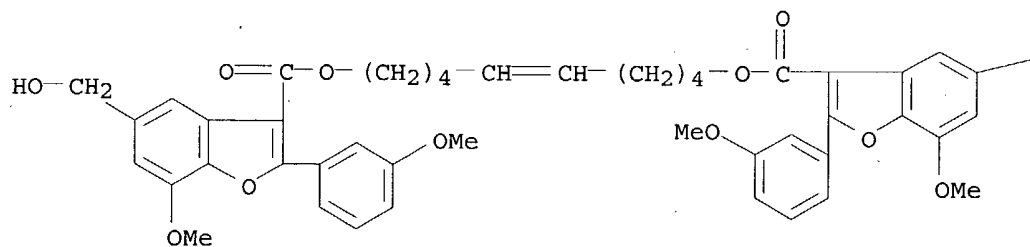   NAME)

Double bond geometry as shown.

RN   500117-68-0   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(3-
      methoxyphenyl)-, 5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)
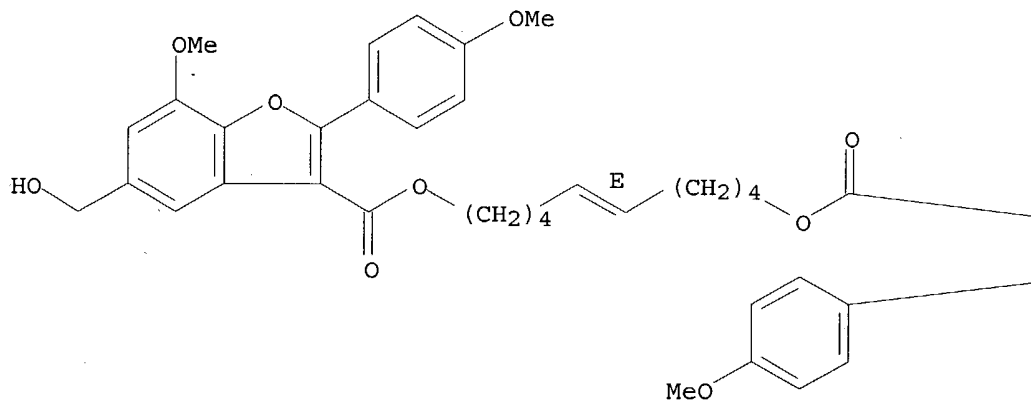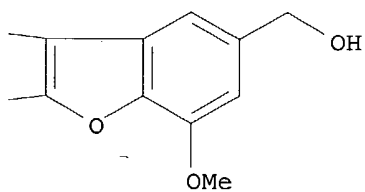
$-CH_2-OH$

RN   500117-69-1   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-
     methoxyphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)
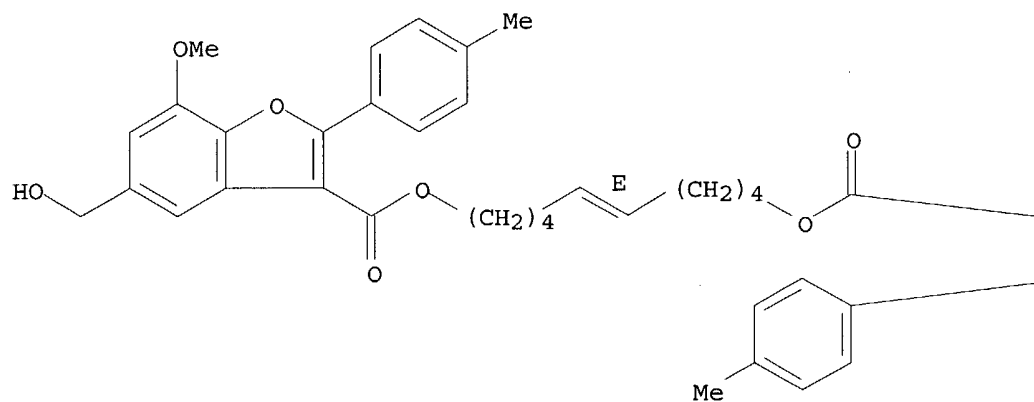
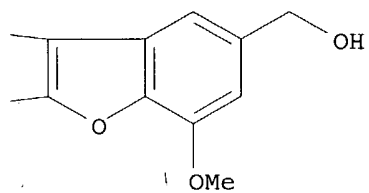Double bond geometry as shown.

RN   500117-70-4   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-(4-butylphenyl)-5-(hydroxymethyl)-7-methoxy-
     , (5E)-5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)

Double bond geometry as shown.

RN   500117-71-5   CAPLUS
CN   3-Benzofurancarboxylic acid, 5-(hydroxymethyl)-7-methoxy-2-(4-
       methylphenyl)-, (5E)-5-decene-1,10-diyl ester (9CI)   (CA INDEX NAME)

Double bond geometry as shown.
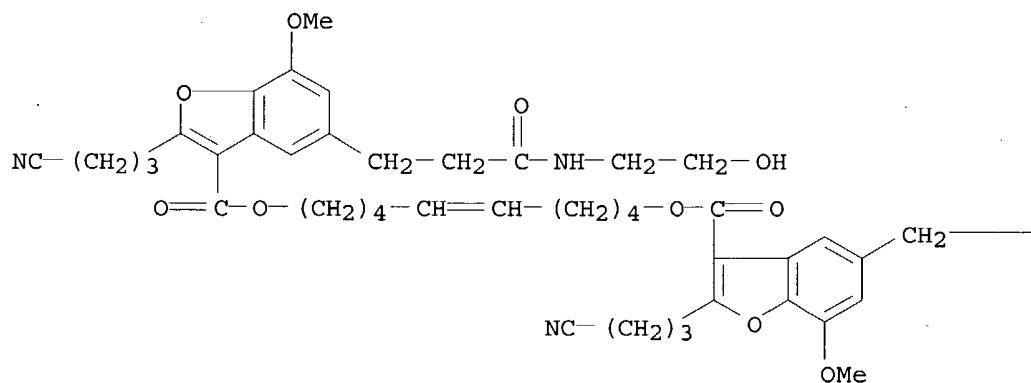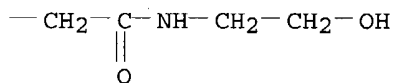
RN   500117-72-6   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-(3-cyanopropyl)-5-[3-[(2-
      hydroxyethyl)amino]-3-oxopropyl]-7-methoxy-, 5-decene-1,10-diyl ester
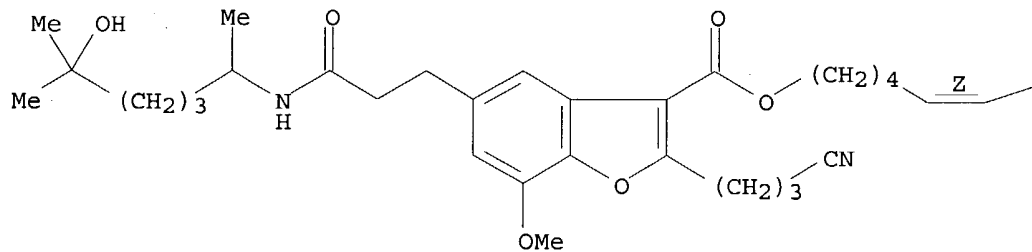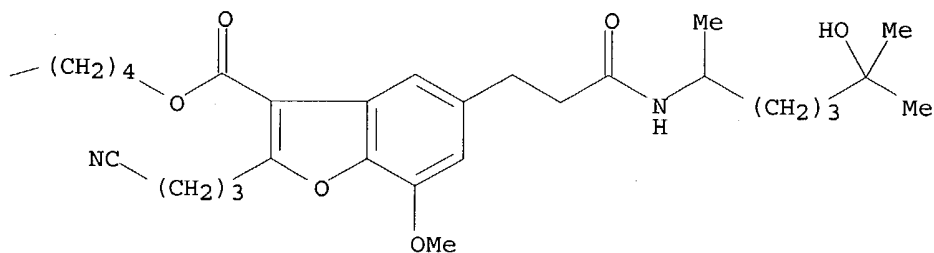   (9CI)   (CA INDEX NAME)

RN   500117-73-7   CAPLUS
CN   3-Benzofurancarboxylic acid, 2-(3-cyanopropyl)-5-[3-[(5-hydroxy-1,5-
      dimethylhexyl)amino]-3-oxopropyl]-7-methoxy-, (5Z)-5-decene-1,10-diyl
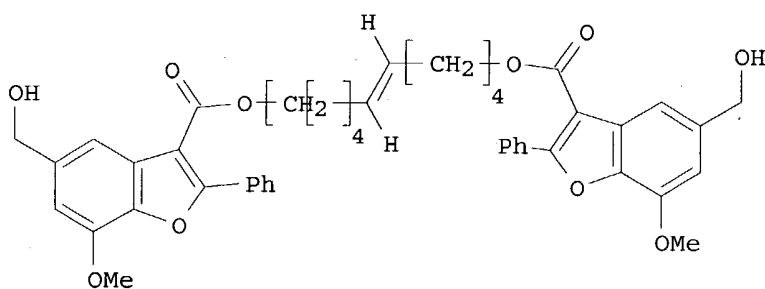   ester (9CI)   (CA INDEX NAME)

Double bond geometry as shown.

GI

I

AB   A split-pool synthesis of dimeric benzo[b]furans, e.g., I, is described
      employing the Sonogashira reaction, palladium-mediated carbonylative.
      annulation, and olefin cross-metathesis as the key steps on high-capacity,
      lightly cross-linked, and silyl-linker-based polystyrene macrobeads. This
      protocol provides direct access to a range of dimeric mols. that are ideal
      for high-throughput screening of protein-protein interactions in a
      cell-based assay system.

REFERENCE COUNT: 25   THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS
                                  RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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